

E 10812-63
ACCESSION NR: AP3003403

increasing atomic number Z of the elements. Theoretically calculated f-values differed by less than 30% from the experimental values, but were independent of Z. The ratios of the line strengths of the resonance doublet components were found to be close to the theoretical value, 2. Orig. art. has: 4 figures and 3 tables.

ASSOCIATION: none

SUBMITTED: 13Nov82 DATE ACQ: 30Jul83 ENCL: 00

SUB CODE: 00 NO REF SOV: 005 OTHER: 005

lm/wm
Card 2/2

L 17152-63

EWP(q)/EWT(m)/BDS AFFTC JD

ACCESSION NR: AP3005835

S/0051/63/015/002/0154/0165

AUTHOR: Penkin, N. P.; Slavenas, I. Yu. Yu.

55

TITLE: Oscillator strengths of spectral lines of tin and lead
atoms

27 27

SOURCE: Optika i spektroskopiya, v. 15, no. 2, 1963, 154-165

TOPIC TAGS: f value, oscillator strength, relative f value, absolute oscillator strength, hook method, Rozhdestvenskiy method, anomalous dispersion method, lead atom f value, tin atom f value, anomalous dispersion, lead iodide, tin iodide, absolute f value, relative oscillator strength

ABSTRACT: Absolute oscillator strengths were measured by the anomalous dispersion method for the resonance lines of SnI ($f_{283} = 0.230 \pm 0.005$) and PbI ($f_{233} = 0.212 \pm 0.003$). Relative f-values due to $p^2 - ps$ and $p^2 - pd$ transitions were also obtained for 29 lines of SnI and 17 lines of PbI. The relative f-values were converted to absolute values using Nesmeyanov's formulas for vapor pressures of Sn and Pb at saturation. It was found that the highest f-values are due to $p^2 - pd$ transitions. The relative line strengths for

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L 17152-63

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the $p^2 - ps$ transition array in PbI and SnI determined by the authors from the experimental f-values were compared with available theoretical data. It was found that the experimental line strengths for SnI are in good agreement with the theoretical values calculated in jj coupling. In the case of PbI the experimental line strengths differ considerably from theoretical values for both jj and LS coupling. A considerable deviation from the sum rules for lead indicates the presence of configurational interaction between lead atoms. Orig. art. has: 7 figures, 5 tables, and 4 formulas.

ASSOCIATION: none

SUBMITTED: 13Nov62

DATE ACQ: 06Sep63

ENCL: 00

SUB CODE: PH

NO REF SOV: 008

OTHER: 009

Card 2/2

ACCESSION NR: AP4020950

S/0051/64/016/003/0390/0395

AUTHOR: Slavenas, I. -Yu. Yu.

TITLE: Oscillator strengths of the spectral lines of SiI and GeI

SOURCE: Optika i spektroskopiya, v. 16, no. 3, 1964, 390-393

TOPIC TAGS: oscillator strength, f number, spectral line intensity, line strength, silicon(I), germanium(I), atomic transition, silicon, germanium

ABSTRACT: The present work is a continuation of an earlier study (N. P. Penkin and I. -Yu. Yu. Slavenas, Opt. i spektro., 15, 9, 1963) devoted to measurement of the oscillator strengths of the spectral lines of Group IV elements. The experimental procedure, based on the Rozhdestvenskiy "hooks" method, was described in the paper cited. In the article at hand determination is made of the relative oscillator strengths of Si I and Ge I lines associated with $p^2 \rightarrow ps$ transitions. The results are tabulated. The line strengths, evaluated on the assumptions of IS and JJ coupling, are compared with the values calculated theoretically by M. Z. Khokhlov (Izv. Krymskoy astrofiz. observ., 26, 52, 1961) on the assumption of intermediate coupling. For the most part the agreement is good. The fulfillment of the J-group sum rules indicates that

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ACC.NR: AP4020950

configuration mixing in general is negligible. Agreement of the experimental and theoretical data indicates that predominantly LS coupling is realized in the silicon atom; however, in the case of the $4p^2$ and $4p5s$ configurations in germanium systematic deviation from LS coupling is evinced. "In conclusion, the author expresses his deep gratitude to N.P. Penkin for attentive guidance in the work." Orig. art. has: 1 figure and 3 tables.

ASSOCIATION: none

SUBMITTED: 14May63

DATE ACQ: 02Apr64

ENCL:00

SUB CODE: PH

NR REF SOW: 004

OTHER: 004

2/2
Card

L 26713-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AP6011561 SOURCE CODE: UR/0051/66/020/C03/0485/0487
AUTHOR: Slavenas, I.-Yu. Yu. 34
ORG: none 33
TOPIC TAGS: iodide, copper compound, silver compound, oscillator
strength, uv spectrum 8
TITLE: Oscillator strength of certain lines of CuI and AgI 1
SOURCE: Optika i spektroskopiya, v. 20, no. 3, 1966, 485-487
ABSTRACT: The oscillator strengths were measured by the Rozhdestvenskiy
hook method using a large interferometer setup described elsewhere (Opt.
i spektr. v. 15, 155, 1963), and modified to operate in the ultraviolet
region of the spectrum. The measured oscillator strengths and the trans-
itions corresponding to them tabulated. In the case of silver, the
measurement is a continuation of earlier work by the author (Opt. i
Spektr. v. 15, 9, 1963). In both cases, the strengths were expressed in
absolute form by using known observed values of the oscillator strength
for the short-wave component of the resonant doublet of the corresponding
metal. In the case of silver, the agreement between the experimental
and theoretical data is not satisfactory and the connection between the
Card 1/2 UDC: 539.184

L 26713-66

ACC NR: AP6011561

discrepancies and the choice of the wave functions for silver are discussed. The author thanks N. P. Penkin for help and guidance with the work. Orig. art. has: 3 tables.

SUB CODE: 20/ SUBM DATE: 01Nov64/ ORIG REF: 005/ OTH REF: 003

Card

2/2 ✓

SLAVENAS, J.

SCIENCE

PERIODICAL: DARBAI. SERIJA B. TRUDY. SERIIA B. No. 2, 1958

Slavenas, J. Practical application of phytoncides of Sinapis alba and Brassica juncea. p. 183.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2,
February 1959, Unclass.

J.
SLAVERAS, J.

Dynamics of phytoncides of white and Indian mustard during their vegetat^{ion}
period. p. 189

Lietuvos TSR Mokslu akademija. Biologijos instituatas. DARBAI. Vilnius
Volume 3, 1958
Lithuanian, Poland

Monthly List of East European Accession (EEAI) LC, Vol. 9, no. 1, Jan. 1960

Uncl.

SLAVENAS, J.; RAZINSKAITE, D.

Dynamics of the concentration of phytonecides and juniper oil in
Juniperus communis L. Liet. TSR Moksl. akad. darb. [Biol] 1:115-134
'62.

(PLANTS) (ANTIBIOTICS) (OILS)

SLAVENAS, P.V.

Astronomy in schools of higher learning in Lithuania from the
16th to the 19th centuries. Ist.-astron.issl.no.1:49-84 '55.
(Lithuania--Astronomy--History) (MLRA 9:12)

SLAVENAS, P.V.

Material on the history of Lithuanian astronomy and cartography.
Trudy Inst.ist.est.i tekhn. 5:331-336 '55. (MLRA 9:5)
(Lithuania--Astronomy) (Lithuania--Cartography)

SLAVENAS, P., prof., red.; LEMCHENAS, Ch., red.; CECYTE, V., tekhn.
red.

[M.V.Lomonosov] M.Lomonosova. Redagavo P.Slavenas. Vilnius,
Volstybine politines ir moksline literaturos leidykla,
1961. 81 p. (MIRA 15:3)

1. Lietuvos TSR Mokslu akademija. Vilna. Gamtos mokslu ir
technikos istorijos komisija.
(Lomonosov, Mikhail Vasil'evich, 1711-1765)

AZUSIENIS, A.; JASEVICIUS, V.; JUODOKAS, A.; JUSKA, A.; MASNAUSKAS, J.:
PUCINSKAS, A.; STRAIZYS, V.; ZDANAVICIUS, K.; ZITKEVICIUS, V.;
SLAVENAS, P., prof., red.; PAEREZIENE, A., red.; CECYTE, V.,
tekhn. red.

[Stellar sky] Zvaigzdetasis dangus. Vilnius, Valstybine poli-
tines ir mokslynes literaturos leidykla, 1961. 113 p.
(MIRA 15:3)

(Constellations)

SOV/94-58-10-13/20

AUTHOR: Khromchenko, G.Ya., Engineer
Slavenchinskiy, I.S., Engineer

TITLE: Mechanisation of Making Fixing Holes for Electrical Equipment (Mekhanizatsiya probivnykh rabot pri elektromontazhe)

PERIODICAL: Promyshlennaya Energetika 1958, Nr 10, pp 30-34 (USSR)

ABSTRACT: During 1954-57 a good deal of work was done on the mechanisation of making fixing holes for electrical equipment and an article was published by G.Ya.Khromchenko and L.A. Komissarov in Promyshlennaya Energetika 1956, Nr 7. The main considerations in selecting tools and methods for making fixing holes are listed; the principal ones are: tools tipped with tungsten cobalt alloys are used for chipping and drilling holes in brick. If drilling is used without impact, alloys of low cobalt content are used. If impact is used, the cobalt content is higher. It is most important to remove the chippings efficiently. Drilling processes are then analysed. Brick and plaster can be drilled with tools running at normal speed and the pressure can be applied manually. For drilling in

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SOV/94-58-10-13/20

Mechanisation of Making Fixing Holes for Electrical Equipment

concrete with abrasive fillers, such as granite and sand, powerful drilling machines must be used and mechanical means of applying pressure provided. Recommended drilling machine ratings, speeds and pressures derived from an American publication are given in Table 1. A device for applying pressure is illustrated diagrammatically in Fig.1. Data required for the selection of equipment for drilling holes in brick, in concrete with brick filler and in similar materials is given in Table 2. The construction of a drift head is illustrated in Fig.2. By way of example of drilling deep holes in brick; in drilling a hole 500 mm deep the drift head 60 mm diameter was run at a mean drilling speed of 100 mm per minute with an electric drill type I-27 and at 200 mm per minute with a drill type I-29A. The tool was slightly worn after drilling 30 such holes. Impact methods of hole making are then analysed. A combined impact and rotary motion is particularly suitable for concrete and results in less wear on the tool and greater output without the use

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SOV/94-58-10-13/20

Mechanisation of Making Fixing Holes for Electrical Equipment

of special devices to apply pressure. Until recently good electric or pneumatic hand tools for this purpose were not available but now Engineer N.M. Batuyev has developed an electric hammer, type S-494, which should be manufactured in 1958 by the "Electro-Instrument" works in Daugavpils. This hammer, illustrated in Fig.4, has a three-phase 220 V, 50 c/s motor, it has an impact energy of 0.4 kg/m, an impact frequency of 2,600 per minute and the tool rotates at 130 rpm. The hammer weighs 8 kg. The construction of the equipment is described, the recommended type of tool is illustrated in Fig.5. Data required for the selection of mechanisms and tools for making holes in concrete and brick are given in Table 4 and data showing the effectiveness of this method of making holes 20-30 mm diameter in reinforced concrete with granite filler are given in Fig.5. Information is then given about

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SOV/94-58-10-13/20

Mechanisation of Making Fixing Holes for Electrical Equipment

tool operation; in particular, detailed instructions are given for tool sharpening. There are 5 figures, 4 tables and 2 literature references of which 1 is Soviet and 1 English.

Card 4/4

SLAVENCHINSKIY, Iona Solomonovich; KHRONCHENKO, Grigoriy Yefimovich;
DEM'KOV, Ye.D., red.; VORONIN, K.P., tekhn.red.

[Making holes and grooves in concrete] Proaktivka otverstii i
borozd v betone. Moskva, Gos.energ.izd-vo, 1959. 39 p.
(Biblioteka elektromontera, no.5) (MIRA 12:11)
(Drilling and boring machinery)

SLAVENCHINSKIY, Iona Solomonovich; KHROMCHENKO, Grigoriy Yefimovich;
BRANDENBURGSKAYA, E.Ya., red.

[Cutting holes and grooves in concrete] Probirka otverstii
i borozd v betone. Izd.2. Moskva, Izd-vo "Energiia," 1964.
40 p. (Biblioteka elektromontera, no.126) (MIRA 17:6)

ZOTKIN, Igor' Yur'yevich, inzh.; SLAVENTSOV, P.M., inzh.; VAGIN, V.I.
[Vahin, V.I.], inzh.; KOLDA, O.P., inzh.; LEVITSKAYA, G.P.
[Levyts'ka, H.P.], red.; OLEFIRENKO, G.Yu.[Olefierenko, H.A.],
red.; VAYNSHENER, Y.M.[Vainshener, I.M.], tekhn. red.

[Labor safety in agriculture] Okhorona pratsi v sil's'komu
hospodarstvi. Kyiv, Derzhsil'hospvydav URSR, 1962. 258 p.
(MIRA 16:6)

(Ukraine--Agricultural machinery--Safety measures)

SLAVENZON, L. D.

SLAVENZON, L. D.: "Some problems of the structure and function
of the lymphatic nodes". Leningrad, 1955. Min Health RSFSR.
Leningrad Sanitary-Hygienic Medical Inst. (Dissertations for
the Degree of Candidate of Medical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

RUMANIA/Farm Animals. Cattle.

Q

Abs Jour: Ref Zhur-Biol., No 17, 1958, 78743.

Author : Lunca, N.; Ionescu, C.; Slavescu, E.;
Eger, E.

Inst :

Title : Results Obtained in Several Stations for Artificial
Insemination in Cluj Region.

Orig Pub: Probl. zootechn., 1957, No 6, 55-57.

Abstract: Artificial insemination of cows was conducted
for the first time in the rayons of Dzhilau,
Zhibou and Zalets. Bulls 2 to 8-9 years old
served as sires. The percentage of fertiliza-
tion for three years comprised on the average 74.5,
66.73 and 69.77%. Fertility of cows under artifi-
cial insemination equaled 78-73%; the litter was

Card : 1/2

28

SLAVESCU, M., ing.; COSMA, Gh., ing.; STOENESCU, S.

Investigations on the possibilities of improving the efficiency of high power centrifugal fans. Energetica Rum 12 no.12:610-618 D '64.

DINCULESCU, Tr., prof.; BINSTOC, O., dr.; SDIC, L., dr.; DUMITRESCU, St., dr.;
TELEKI, N., dr.; SLAVESCU, Vl., dr.

Considerations on balneo-physical therapy of vertebral lumbosciatica.
Med. intern. 14 no.7:865-869 Jl '62.

1. Institutul de Balneologie, Bucuresti.
(SCIATICA) (LUMBOSACRAL REGION) (BALNEOLOGY)
(PHYSICAL THERAPY)

BINSTOC, O.; SLAVESCU, Vl.; MIHAESCU, Rodica.

Research on the action of microwaves on some aspects of the dynamics of serum proteins. Stud. cercet. fiziol. 10 no.1: 97-104 '65.

POLANKA, Ed., MUDr; SLAVETINSKY, Milan, Dr.

Effect of smoking on gingivitis. Prakt. zub. lek., Praha 2 no.
10:223-225 1954.

1. Ze Stomatologiskeho oddeleni FN v Olomouci
(GINGIVITIS, etiology and pathogenesis
smoking)
(SMOKING, injurious effects
gingivitis)

SLAVETINSKY, M.Dr., Olomouc

Improved type of laboratory record. Prakt. zub lek., Praha 2 no.
10:228 1954.

(TECHNOLOGY, DENTAL
laboratory records, improved form)

SLAVETINSKY, V.

Distr: 4E2d

✓ Continuous reaction of liquids with gases. Gustav Zatočil and Vladimír Slavětínský, Czech. 87,715, Oct. 15, 1958. In the described app. the liquid, possibly with suspended catalyst, is sprayed by means of a nozzle in the form of a fine mist by the force of the gas required for the reaction.

D. S. Kašik

3
1

KOZLOV, P.V.; KOZ'MINA, O.P.; VAN NAY-CHAN [Wang Nai-ch'ang];
SLAVETSKAYA, P.A.; CHZHOU EN-LO [Chou Eng-lo]

Crystallization of cellulose tribenzoate. Dokl. AN SSSR
139 no.5:1149-1152 Ag. '61. (MIRA 14:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V.
Lomonosova i Institut vysokomolekulyarnykh soyedineniy
AN SSSR. Predstavleno akademikom V.A. Karginym.
(Cellulose) (Crystallization)

KOZ'MINA, O.P.; Prinimali uchastive: KURLYANKINA, V.I.; ALEKSANDROVICH, M.K.;
PROSVIRYAKOVA, E.F.; SLAVETSKAYA, I.A.; KOZLOV, M.P.

Mechanism of oxidation of cellulose ethers by oxygen. Izv. AN
SSSR Otd.khim.nauk no.12:2226-2233 D '61. (MIRA 14:11)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Cellulose ethers) (Oxidation)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651310004-0

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651310004-0"

KOLOMEN'YEV, V. I.; BURLYANS'KA, V. I.; MOLOKOV, V. A.; SLAVETSKAYA, P. A.

Synthesis and oxidation of ethyl xylan. Vyssokomol. soed. 7 no. 6: 958-
961 Je '65. (MIRA 18:9)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.

L 16006-66 EWP(j)/EWT(m) RM
ACC NR: AP6005517 (A)

SOURCE CODE: UR/0080/66/039/001/0164/0170

AUTHOR: Syutkin, V. N.; Slavetskaya, P. A.; Koz'mina, O. P.; Danilov, S. N.

ORG: none

TITLE: Synthesis and properties of mixed cyanoethyl cellulose esters and ethers

SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 1, 1966, 164-170

TOPIC TAGS: ether, ester, cellulose

ABSTRACT: Cellulose ethers were cyanoethylated by introducing cyanoethoxyl groups. Methyl-, ethyl-, benzyl-, trityl-, and allylcyanocethylcellulose with different degrees of substitution were thus obtained. To produce esters, acylation of incomplete cyanoethyl ethers was carried out by using acid chlorides in pyridine. The introduction of functional groups which differ in size and structure into the cellulose molecule widens the choice of solvents which can be used and causes a change of the glass point. During the synthesis of mixed cyanoethyl cellulose ethers and esters, no appreciable degradation of the cellulose macromolecule takes place, as indicated by intrinsic viscosity data. Infrared spectra of the mixed ethers and

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UDC: 661.728

L 16006-66

ACC NR: AP6005517

esters and their main electrical characteristics ϵ' , $\tan \delta$, and p_v were analyzed.
"Authors thank A. I. Artyukhov and K. K. Kalnin'sh for measuring the electric properties and taking IR spectra of the mixed cyanoethyl cellulose ethers and esters."
Orig. art. has: 2 figures, 2 tables.

SUB CODE: 07/ SUBM DATE: 23Jul65/ ORIG REF: 005/ OTH REF: 005

Card 2/2

SLAVEV, S.

From the Danube to the Valley of Roses. p. 7.

Vol. 5, no. 7, 1955

GEOGRAFIJA

Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 1 Jan. 1956

... , ..

At the Bettolles Michelini and Sceva dupla. p. 6.

ADMARIA VOL. 5, no. 16, 1955

Codina, Valencia

cc. LIBRARY ACCESSIONS LIST VOL. 5, no. 7 July 1956

SLAVEV, S.

SLAVEV, S. The old Tryavna, p. 4.

Vol. 6, No. 7, 1956

GEOGRAFIIA

GEOGRAPHY & GEOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, February 1957

SLAVEV, S.

To the coke furnaces near the Plachkovtsi Railroad Station. p. 4.
(Geografiia, Vol. 7, no. 4, 1957. Sofiia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

SLAVEV, S.

Gorna Oryakhovitsa District as the cradle of Bulgarian gardening.

P. 5, (Geografiia) Vol 7, no. 6, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No.11 November 1957

SURNAME, Given Names

Country: Bulgaria

Academic Degrees: not given

Affiliation: Junior Scientific Collaborator at the Geographic Institute of the Bulgarian Academy of Sciences (Geografski Institut pri BAN),

Source: Sofia, Geografiya, No 4, 1901, pp 8-11

Data: "Near the town of Lovech."

GPO 981643

SLAVGORODSKAYA, Ye.A.

Unfired dinas brick. Ogneupory 27 no.9:428 '62. (MIRA 15:8)

1. Trest "Ogneupornerud".
(Firebrick)

LEVINTOVICH, E.V.; SHAKHTIN, D.M.; KULIK, A.I.; LOGACHEV, M.S.;
MIROSHNICHENKO, V.Ya.; SLAVGORODSKAYA, Ye.Ya.

Determining the weight by volume and density variations of a
glass bar by the absorption of gamma rays. Cgneupory 28 no.1:
17-21 '63. (MIRA 16:1)

1. (Ukrainskiy nauchno-issledovatel'skiy institut ogneuporov (for
Levintovich, Shakhtin). 2. Chasov-Yarskiy kombinat ogneupornykh
izdeliy (for Kulik, Logachev, Miroshnichenko, Slavgorodskaya).
(Refractory materials—Testing)
(Gamma rays—Industrial applications)

SLAVGORODSKAYA, Ye.Ya.; RADCHENKO, S.T.; ODRINSKIY, V.N.

Manufacture of lightweight refractories from semidry materials.
Ogneupory 29 no.4:151-153 '64. (MIRA 17:4)

1. Opornaya tekhnologicheskaya laboratoriya tresta "Ogneupornerud".

SLAVGORODSKIY, F.Ya.; GURSKIY, P.A., red.; SALENKO, S.V., red.;
KMITROV, P.A., tekhn. red.

[Experimental locomotives] Opytnye lokomotivy. Moskva,
Transzheldorizdat, 1949. 241 p. (MIRA 16:8)
(Locomotives--Design and construction)

SLAVGORODSKIY, M.V.

✓ 277. LOUD SPEAKER COMMUNICATION BETWEEN COKE MACHINES.
Slavgorodskiy, M.V. and Skornyakov, A.N. (Koks i Khim. (Coke & Chem., Moscow),

Otdel. Tekh. Nauk (Bull. Acad. Sci. U.S.S.R., Sect. Tech. Sci.), July 1956,
125-128). The paper by S.T. Bondarenko (Fuel Abstr., 1956, vol. 29, 453) on
the heating of a block of coal by a current passing through a conducting channel
is criticized.

Fuel

PERMYAKOV, V.A.; SLAVGORODSKIY, M.V.

Operation of coke ovens of the PK-2K system without recirculation.
Koks i khim. no.5:29-30 '56. (MLRA 9:10)
(Coke ovens)

SLAVGORODSKIY, M.V.; SKORNYAKOV, A.N.

Loudspeaker communication between coke machines. Koks i khim. no.5:
34-35 '56.
(Loudspeakers) (Coke-industry--Equipment and supplies)

SOW/68-59-9-8/22

AUTHORS: Likhogub, Ye.P., and Slavgorodskiy, M.V.

TITLE: Comparative Characteristics of Coke Ovens of the PK-2K System with Various Design Modifications

PERIODICAL: Koks i khimiya, 1959, Nr 9, pp 24 - 27 (USSR)

ABSTRACT: Various modifications in the heating of coke ovens of the PK-2K system were introduced in order to obtain a uniform heating of the charge along the height of the ovens. The introduction of recirculation of the combustion products solved this problem for the Southern works operating with coals of a low vertical shrinkage, but for Eastern works operating on the Kuznetsk coals with a large shrinkage, the problem of the most rational method of heating has not yet been solved. As the future developments in the iron and steel industry will be concentrated in this region, the solution of the corrected design of ovens is urgent. For this purpose a comparison of batteries operating with and without recirculation and processing the same blend was carried out. The experimental results are given in Tables and Graphs. It is concluded that the best design of 2PK-2Y ovens for processing Kuznetsk coals are ovens without recirculation of the combustion products with the

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SOV/68-59-9-8/22

Comparative Characteristics of Coke Ovens of the PK-2K System with Various Design Modifications

level of heating (burners) 800 mm above the oven sole.
There are 4 figures and 2 tables,

ASSOCIATIONS: Teplotekhnitsiya / Nizhne-Tagil'skiy metallurgiches-
kiy kombinat (Nizhniy Tagil Metallurgical Combine)
(Siavgorodskiy)

Card 2/2

MUSTAFIN, F.A.; SLAVGORODSKIY, M.V.; BURSHTEYN, M.D.

Automation of the feeding of air into the heating system of coke batteries. Koks i khim. no.1:28-33 '61. (MIRA 14:1)

1. Nizhne-Tagil'skiy metallurgicheskiy kombinat (for Mustafin and Slavgorodskiy). 2. TSentral'naya laboratoriya avtomatiki (for Burshteyn).

(Coke ovens)

KUPERMAN, P.I.; GRYAZNOV, N.S.; MOCHALOV, V.V.; FROLOV, V.V.; MUSTAFIN, F.A.; PUSHKASH, I.I.; SLAVGORODSKIY, M.V.; LAZAREV, B.L.; BORISOV, V.I.; Prinimali uchastiye: CHERKASOV, N.Kh.; ZABRODSKIY, M.P.; RYTCHENKO, A.I.; RUTKOVSKAYA, Ye.N.; SAITBURGANOVA, N.I.; SHTAGER, A.A.; SHISHLOVA, T.I.; BUDOL', Z.P.; MEN'SHIKOVA, R.I.; GORELOV, L.A.; AGARKOVA, M.M.; KOUROV, V.Ya.; KOGAN, L.A.; BEZDVERNYY, G.N.; POKROVSKIY, B.I.

Effect of the lengthening of the coking time on the coke quality and testing of coke in the blast furnace process. Koks i khim. no.9: 23-28 '63. (MIRA 16:9)

1. Vostochnyy uglekhimicheskiy institut (for Kuperman, Gryaznov, Mochalov, Kogan, Bezdvernny, Pokrovskiy).
2. Ural'skiy institut chernykh metallov (for Frolov).
3. Nizhne-Tagil'skiy metallurgicheskiy kombinat (for Mustafin, Pushkash, Slavgorodskiy, Lazarev, Cherkasov, Zabrodskiy, Rytchenko, Rutkovskaya, Saitburganova, Shtager, Shishlova, Budol', Men'shikova).
4. Koksokhimstantsiya (for Borisov, Gorelov, Agarkova, Kourov).
(Coke—Testing)

PARSHIN, M.A.; SLAVGORODSKIY, V.B.

Operational control of adhesive conditions of pavements.
Avt. dor. 28 no.9:6-7 S '65. (MIRA 18;10)

SLAVIC, I.
Surname (in caps); Given Name

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Department of Physics, Institute of Nuclear Sciences
"Boris Kidrich"

Source: Belgrade-Vintcha, Bulletin of the Institute of Nuclear Sciences
"Boris Kidrich", Vol 11, Mar 1961, 23-35.

Data: "Temperature Distribution in a Diffusion Cloud Chamber."

Co-authors:

SZYMACKOWSKI, J., University of Lublin, Poland,

STACHORSKA, D., Institute "Badan Jadrowych", Krakow, Poland,

MILOJEVIC, A., Department of Physics, Institute of Nuclear Sciences

"Boris Kidrich",

AJDACIC, V., Department of Physics, Institute of Nuclear Sciences

"Boris Kidrich".

SLAVIC, Ilfan, dipl. fiz. hem., saradnik (Pancevo, Dr Kasatinovica 27);
STOJIC, Miodrag, dipl. fiz. hem., saradnik

Semiconductor detectors with surface barrier. Tehnika Jug 19
no. 2:Suppl.:Radioizotopi zrac 3 no. 2:224-231 F '64.

1. "Boris Kidric" Institute of Nuclear Sciences, Belgrade-Vinca.

L 34671-66

ACC NR: AP6025848

SOURCE CODE: CZ/0017/66/055/002/0083/0086

36
B

AUTHOR: Slavic, Ivan (Engineer)

ORG: Mining Research Institute, Prievidza (Bansky vyskumny ustav)

TITLE: Heating tests with electrical instruments for heavy currents

SOURCE: Elektrotechnicky obzor, v. 55, no. 2, 1966, 83-86

TOPIC TAGS: alternating current, electric equipment, electric circuit, electronic transformer, heating

ABSTRACT: The distribution of AC current into parallel circuits of three-phase instruments depends mainly on whether the instrument is fed by a single-phase or a three-phase AC current. For heating tests, therefore, it is inevitable that all three-phase instruments are actually fed by three-phase current. But three-phase current sources are heavy and expensive for high current values. Therefore it sometimes is advantageous to use three single-phase transformers which can be connected to mains through primary winding only, much like current transformers. The above mentioned testing method is protected by Czechoslovak Patent No. 109202. This paper contains the experimental results and a simplified proposal for the transformer design. This paper was presented by Engineer, Doctor, Candidate of Sciences B. Novotny. Orig. art. has: 6 figures, 3 formulas and 1 table. [Based on author's Eng. abstract] [JPRS: 35,327]

SUB CODE: 09 / SUBM DATE: 18Dec64 / ORIG REF: 005 / SOV REF: 003

Card 1/1 68

UDC: 621.371.2.017.7+621.375

CZECHOSLOVAKIA

CROSS, A.D., SLAVIK, J.

1. Syntex Research Division, Palo Alto, California, USA
(for Cross); 2. Department of Medical Chemistry,
Purkyne University, Brno - (for Slavik)

Prague, Collection of Czechoslovak Chemical Communications, No 3, March 1966, pp 1425-1426

"Glaucamine - structure and relative stereochemistry
at two centers."

VOLF, Sigmund, ing., nyilvanos rendes tanar; SLAVIC, Ladislav, dr.,
tudomanyos fokunkatars

New calcium-carbonic acid process for diffusion juice purification.
Cukor 18 no.1:1-3 Ja '65.

1. Chair of Technology of the University, Novi Sad (for Volf).
2. Sugar and Starch Division of the Research Institute of Food
Industry, Novi Sad (for Slavic).

SLAVIC, Ladislav, dr. (Novi Sad); VUKOV, Konstantin [translator]

Industrial application of gradual defecation-saturation
(the Schneider-BMA process). II. Cukor 13 no.7:193-197
Jl '60.

1. "Cukoripar" szerkeszto bizottsagi tagja (for Vukov).

YUGOSLAVIA

SLAVIC, M., and D. PASZEVIC of the Chemical Institute (Kemijski Institut) and Institute and Clinic for Infectious Diseases (Institut i Klinika za Zaraze).

"Comparative Tests of Protein Concentration in the Blood Serum of Rabbits."

Sarajevo, Acta Veterinaria, Vol 12, No 3-4, 1962, pp 59-63.

Abstract: Authors' English summary modified. The protein concentration in the blood serum of 75 rabbits was determined on the basis of the Kjeldahl micro-methol and of the Phillips-van Slyke method, the values obtained with the former being used to check the values obtained with the latter method. The results showed that the equation $P_0 = 400(s-1.006)$ or $P_0 = 417(s-1.007)$ could be used. Agreement was better with the use of the former equation.

Table of results, 7 references to US and Yugoslav works of past 20 years.

EDT

YUGOSLAVIA

MLADENOVIC, Z.; SIBALIC, S. and SLAVICA, M.; Department of Parasitoses of Veterinary College (Institut za invazione bolesti Veterinarskog fakulteta,) Belgrade; and Veterinary Institute (Veterinarski zavod,) Zemun.

"Protecting Chickens from Cecal Coccidiosis with Irradiated Oocysts."

Belgrade, Veterinarski Glasnik, Vol 20, No 7, 1966; pp 527-530.

Abstract [English summary modified]: Inoculation of 5 to 100M oocysts of *Eimeria tenella* previously irradiated with 10M to 25M r, challenge with 200M normal oocysts: results inconclusive. Three tables; ms rec 23 May 66.

1/1

SLAVICEK, E.

Theory of diffusion in sugar production.

p. 527
Vol. 3, no. 6, 1955
SOVETSKA VEDA: POTRAVINARSTVI
Praha

SO: Monthly List of East European Accessions (EEAL), LC, VOL. 5, no. 3
March 1956

SLAVICEK, E

Slavicek

CZECHOSLOVAKIA/Chemical Technology - Carbohydrates and Their
Processing.

H.

Abs Jour : Ref Zhur - Khimiya, No 16, 1958, 55423

Author : Slavicek

Inst :
Title : Fundamentals of Technical Computations in Sugar Production.

Orig Pub : Listy Cukrovare., 1956, 72, No 11, Priloha, 26-28

Abstract : Computations for product balance and energy.

Card 1/1

10

"APPROVED FOR RELEASE: 08/25/2000

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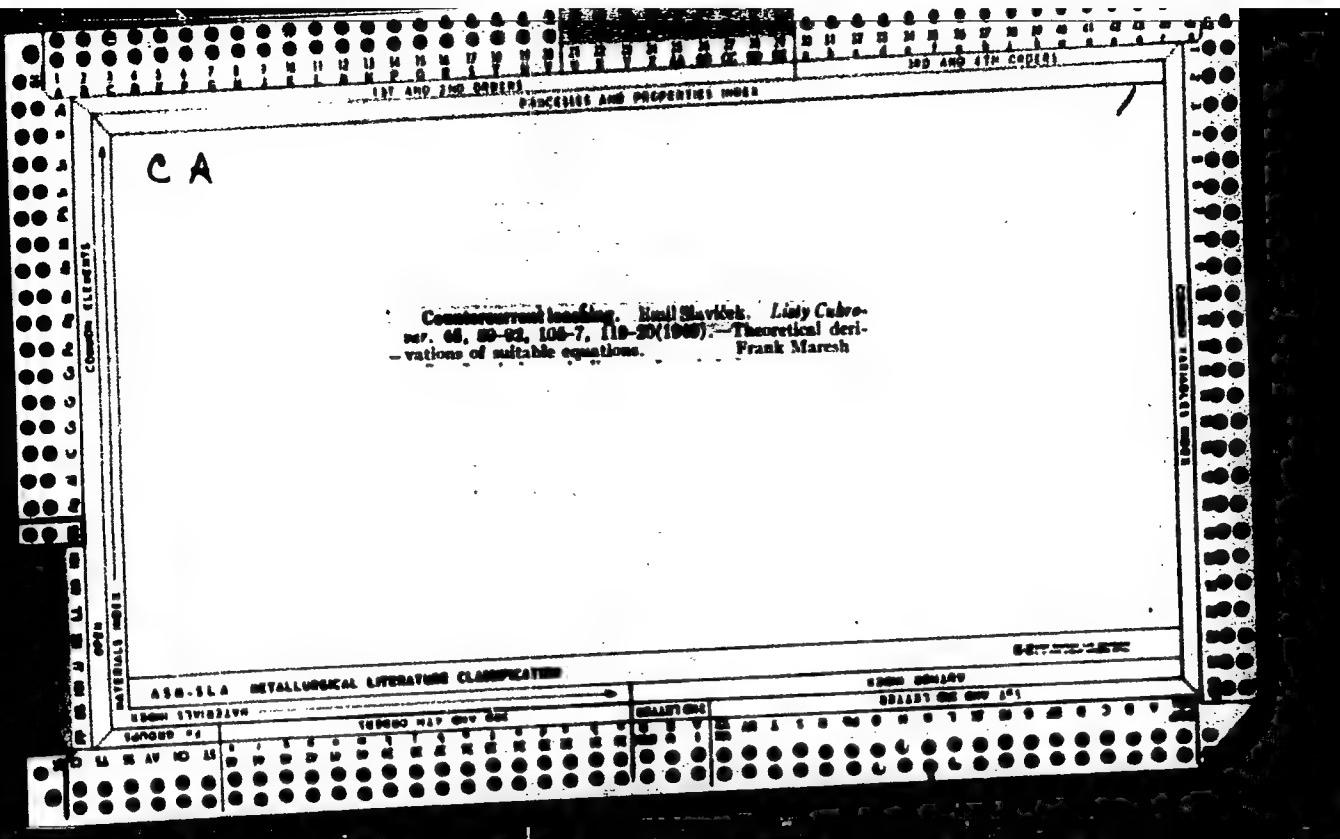
RI - I E. Gruenbaum

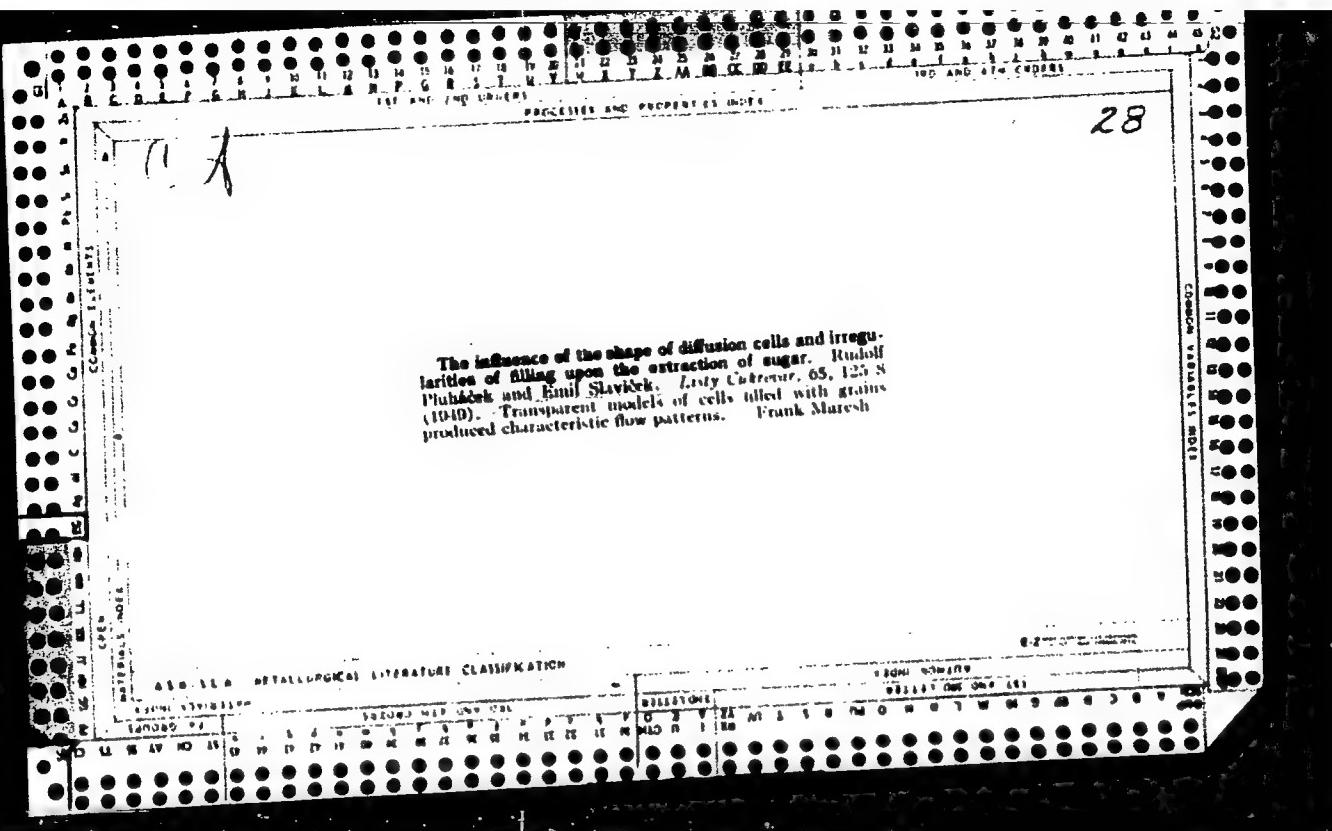
Bib. ab.

Government citation. M. S. Slavik (Chem. Listy, 1967, v. 61, 106-107).—A multiple extraction process, described and illustrated, is claimed to be more economical in time and solvent than are other extraction systems.
R. Trusco.

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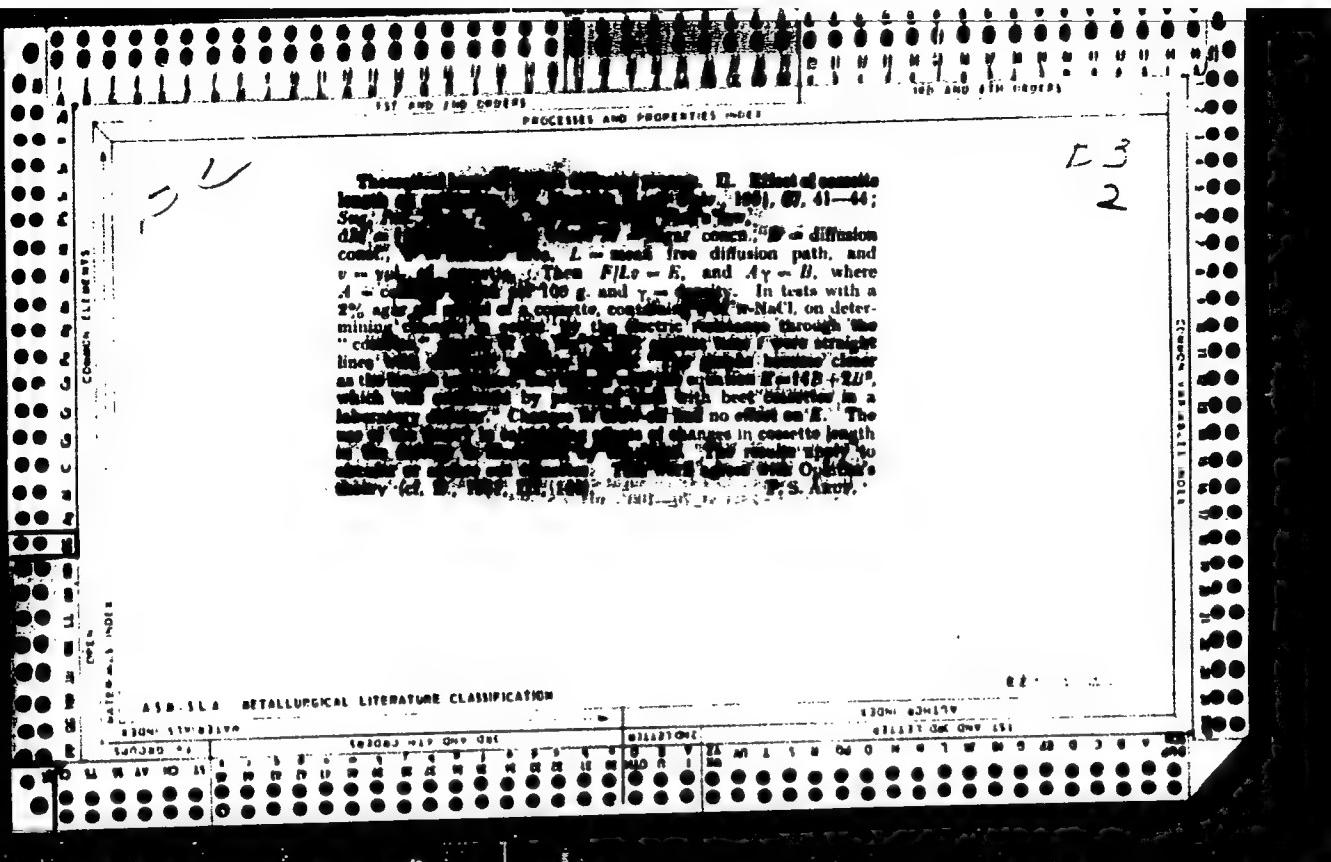
Czechoslovakia CA: 47:11843

MURKOVÁ, J.

with A. SLAVICKOVÁ

"Countercurrent extraction. IV. Experimental determination of the extraction factor and the value z."

Listy Cukr. var. 66, 137-5 (1.4.-50); Sugar Ind. Abstr. 12, 85(1950); cf.
Listy Cukr. var. 66, 27-2 (1949-50); C.A. 43, 7272a.



034

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2

Influence of shape of diffuser and temperature in filling of
diffuser on diffusion. E. Slavnick, J. Schreiber, and M. Vraj
(Listy Čes., 1951, 67, 159-160; 1952, 68, 161).
The flow of juice in a diffuser was followed by the use of an electrical
analogous apparatus, based on the mathematical similarity of the
actual flow to that of ions and electrolyte in an area of the same
half cross-section under a given potential. The method was
worked out for conditions analogous to uniform filling of the
diffuser with juice. The flow of diffusers with a flat or
moderately concave bottom slope was good. Diffusers with a high
inverted slope, or with an inverted curved slope (candle) in the middle,
gave irregular flow which would cause irregular shortcircuiting off of
committers and so lead to production losses. P. S. ASTR.

SLAVICEK, EMIL

Heat transfer in the condensation of steam on a vertical cylinder with a spherical dished bottom. Emil Slavicek and Jiří Kovář (Vysoká škola chem.-techn.). *Chem. Listy* 48, 1441-5(1954).—An expression for the heat transfer coeff. is derived which is applicable to steam-heated evaporators with an approx. spherical dished bottom. The resulting function is tabulated. E. Erdos

Slavíček, Česká

The efficiency of Robert diffusion batteries. Rudolf Slavíček. *Ústřední Časopis Československé Akademie Věd*, 76, 109-71 (1971). -- The efficiency depends on the porosity and size of sugar-beet slices, pressure differential in the first diffuser, juice viscosity, the height of charge, and the amount of diffuser and the piping.

SLAVICEK, E.

Pressure losses in diffusion battery. F. Hruška, E. Slavíček, and M. Vondrák (Listy Čslv., 1934, 20, 137—139). Measurements with different manometers indicated that of the total pressure difference 10% is used to overcome resistance on the screens, 20% in cassettes, 40% in interconnecting apparatus, and the rest in water and juice piping and on dirt catchers. Conical screens with side openings have a pressure drop per unit flow area which is 26% lower than usual, but as the size of this (Wallig) screen is limited the total pressure loss is 46% higher than usual. Losses in different parts of the piping, etc. are further analysed and possibilities of improvement are discussed. Increase of cassette thickness is limited by deleterious effect on extraction. The size of interconnecting pipes could be increased to reduce pressure losses; the use of pumps between diffusers or an increase of the total pressure on the battery would increase throughput.

SUG. IND. Austr. (E. M. J.)

SLWEDEK, E.

A diffusion battery for research purposes. p. 189.

PRUMYSL POTRAVIN. Praha. Vol. 6, no. 4, 1955.

SOURCE: East European Accessions (EEAL), LC, Vol. 5, no. 3, March 1956.

SLAVICEK, E.

TRANSLATION

UNCLASSIFIED

Author: Slavicek, E., and Kovar, J. (Dept. of Chemical Engineering,
~~Institute of Chemical Technology~~ (formerly Technical University),
Prague).

Title: Heat Transfer between a Condensing Vapor and a Vertical Cylindrical
Jacket with a Spherical Dished Bottom.

Journal: Collection of Czechoslovak Chemical Communications, Vol 20, No.1,
1955, pp. 170-175. In Czech in Chemicky Listy, Vol 48, 1954, p. 1441.

Available: BMI Main Lib.

EJL 6/29/55

SLAVICEK, EMIL

C Z E C C

Heat transfer between a condensing vapor and a vertical
cylindrical jacket with a spherical dished bottom. Emil
Slavíček and Jiří Kovář. Collection Czechoslovak
Academy of Sciences, 20, 170-6 (1955) (in English). See C.A. 1955
Commun. 20, 170-6 (1955) (in English). — See C.A. 1955
1956. B.I.C.

DAN
JES

✓ Thermal efficiency of split-flow heat exchangers. Emil Slavíček (Vysoká škola chem.-technol., Prague). Chem. Listy 49, 349-50 (1955).—Formulas are derived for the calcn. of the temp. distribution in split-flow heat exchangers where the two parts have different heat-transmission coeffs., ex-
change surfaces, and heat capacities of the hot liquid. A special case is discussed where these quantities have the same value in both parts, and nomographs are given for direct calcn. of the exchange surface and of final temps. of the hot and cold liquids.

PP
MGT

S

✓ Heat transfer in a 1-2 exchanger involving phase change
of one fluid. Emil Slavíček (Vysoká škola chem.-technol.
Prague). Chem. Listy 49, 1101-4 (1965).—A method is
given for computing the exchange area of a 1-2 exchanger in
which the superheated vapor is cooled, condensed, and
supercooled. The method is also applicable to simpler cases
such as cooling and condensation or condensation with super-
cooling.

MN

E. Erdos

RP
MGT

SLAVICEK, EMIL

CZECHOSLOVAKIA/Processes and Equipment for Chemical Industries - K-1
Processes and Apparatus for Chemical Technology

Abs Jour : Referat Zhur - Khimiya, No 9, 1957, 33244

Author : Slavicek Emil

Inst :
Title : Heat Tranfer on Crossing Directions of Liquid Flows and
a Finite Number of Tubes

Orig Pub : Chem. listy, 1955, 49, No 12, 1739-1755; Sb. chekhosl.
khim. rabot, 1956, 21, No 5, 1083-1100

Abstract : The equations for determination of temperatures in the case of crossing directions of liquid flows, which were utilized hitherto, were derived on the assumption that the heat-exchange surface is continuous. In the present paper the case is considered of crossing directions of liquid flows and a finite number of tubes, i.e., with a discontinuous heat-exchange surface. In the derivation of the equations the assumption is made that the physical

Card 1/2

Slavicek Emil

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and
Their Application - Carbohydrates and Refinement.

H-26

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 9472

Author : Slavicek Emil

Inst :

Title : Effect of the Shape of Diffusers on Leaching of Beet
Slices. IV.

Orig Pub : Listy cudrovarn., 1955, 71, No 1, 14-16

Abstract : Losses of sugar in the pulp are calculated in the case of
leaching of the slices in a diffuser with an internal cone
designed to improve the circulation of the juice. It was
ascertained that sugar losses in such a diffuser are 10%
higher than in an ideal diffuser. Increased losses can
be compensated by less than 2% by increased withdrawal of
the juice. Various other shapes of diffusers practically
do not lower the extraction of the slices.
Part III, see RZhKhim, 1953, 5790.

Card 1/1

SLAVICEK, .

SLAVICEK, J. Heat transfer calculations for splitflow exchangers. In English. p. 1. Vol. 21, no. 1, Feb. 1956. SBORNÍK CHEKHOVOSLOVATSKIKH KHIMICHESKIKH RABOT. COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

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SLAVICEK; EMIL

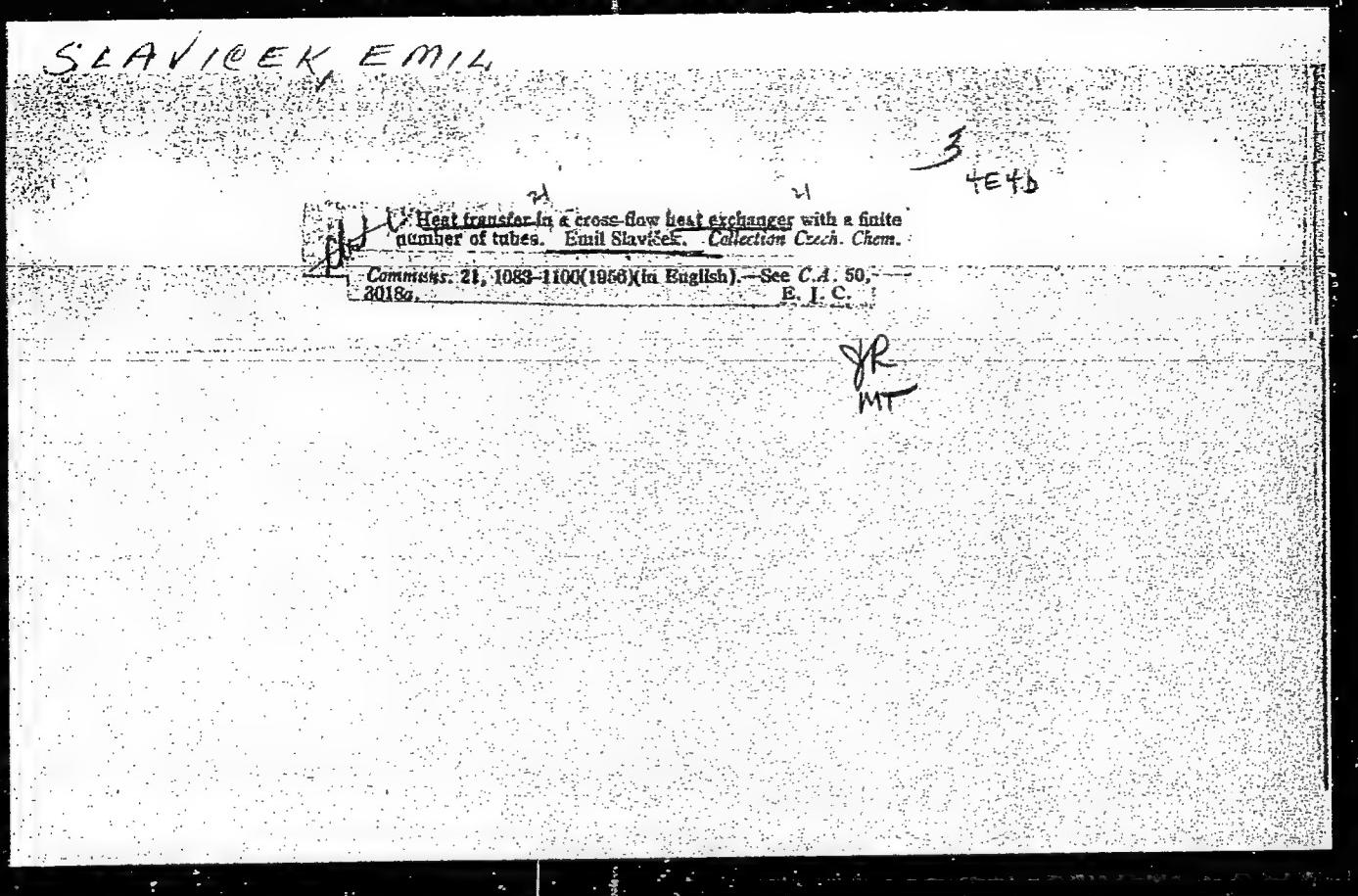
283

✓ Heat transfer in a 1-2 exchanger involving phase change
of one fluid. Emil Slavicek. Collection Czechoslov. Chem.
Commun. 21, 117-120 (1956) (in English).—See C.A. 49,
137038.

R.M.

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651310004-0"



CZECHOSLOVAKIA/Chemical Technology. Chemical
Products and Their Applications.
Chemical Engineering.

H-2

Abs Jour : Ref Zhur-Khimiya, No 7, 1959, 23617

Author : Slavicek, E.

Inst : -

Title : Design of Heat Exchangers. I. Single- and
Two-Pass Heat Exchangers.

Orig Pub : Chem. listy, 1958, 52, No 5, 887-895

Abstract : Based on the assumption of constancy of the
"water equivalents" of both heat carrying
media, equations for calculation of tempe-
ratures in heat exchangers were developed
for the cases whereby one of the media flows
through a two-pass route while the other one

Card : 1/2

H-2

Distr: 4E3d

✓ Heat-exchanger calculations. I. The 1-2 exchanger.
Emil Slavíček (Vysoká škola chem. technol., Prague).
Collection Czechoslov. Chem. Commun. 24, 830-49 (1959)
(in English).—See C.A. 53, 6f. Jíří Pliml

3
1

GL

%

Distr: 4E2b(v)/4E3b/4E3c 2 cys

✓ Calculations on heat exchangers II. The 1-3 exchanger. E. Slavíček (Vysoká škola chemicko-technol., Prague). Collection Czechoslov. Chem. Commun. 25, 1844-55 (1960); cf. CA 53, 6f.—Relations are derived for the calcn. of the distribution of temps. in a 1-3 exchanger which in the general case has unequal surfaces and heat-transfer coeffs. in each pass. For the special case where these quantities have the same values in every pass, nomograms have been constructed for the direct calcn. of the exchanger surface, exit temps., and mean temp. difference. The exchanger efficiencies for the two possible cases differ very little.

E. Erdős.

3
1-BW(BW)

1-RS

4

SLAVICEK, Emil

The Robert diffusion. Listy cukrovar 30 no.8:204-215 Ag'64

1. Chair of Technical Physics, Higher School of Chemical
Technology, Prague. Listy cukrovar 30 no.8:204-215 Ag'64

SLAVICEK, Emil

New Czechoslovak system of measurement and problems of its
application. Prum potravin 16 no.4:186-194 Ap '65.

I, Chair of Technical Physics of the Higher School of Chemical
Technology, Prague. Submitted March 8, 1965.

SLAVICEK, Emil

Chemical engineers and the new Czechoslovak law on weights
and measures. Chem prum 13 no.2:84-89 F '63.

1. Katedra technicke fyziky, Vysoka skola chemicko-technologicka,
Praha.

SLAVICEK, Ivan; RIHA, Frantisek

Analogue integrator for use in chemical laboratories and plants.
Chem prum 13 no.1:24-26 Ja '63.

1. Vyzkumný ustav makromolekulární chemie, Brno.

SLAVICEK, Ivan, inz.

Transistor control amplifiers. Automatizace 7 no.9:229-232
S '64.

1. Research Institute of Macromolecular Chemistry, Brno.

SLAVICEK, Ivan, inz.

Effect of the input signal characteristics on the design of
control circuits. Automatizace 6 no.10:252-253 O '63.

1. Vyzkumnny ustav makronolekularni chemie, Brno.

SLAVICEK, Ivan

Dynamic errors of recorders in following chromatographic analyses.
Chem prum 14 no.4:195-197 Ap '64.

1. Research Institute of Macromolecular Chemistry, Brno.

Janczak, J.

3

Country: Czechoslovakia

Academic Degree: MD

Affiliation: No 1 Clinic of Internal Medicine (I. vnitrní lékařství) of UP (Universita Pardubická), Olomouc, Faculty of Medicine, Head: professor P. LINDNER, MD.

Source: Prague, Vnitřní Lékařství, No 4, Apr 61, pp 384-392

Title: "Human Iron and Copper in the Case of Liver Diseases"

Co-authors:

SAMSONEK, J., doctor of natural sciences. Central Laboratory (Ustřední laboratoř) of the Faculty Hospital (Fakultní nemocnice) in Olomouc. Head: R. PODIVÍNĚK, MD, chief physician.

SLAVICEK, J.

Effect of nicotinic acid on the isolated frog heart. Sborn.
lek. 65 no.5:164-168 My '63.

1. Fyziologicky ustav fakulty všeobecného lekarství University
Karlových v Praze, prednosta prof. dr. Fr. Karásek, DrSc.
(NICOTINIC ACID) (HEART) (ELECTROPHYSIOLOGY)
(PHARMACOLOGY)

L 12964-66

ACC NR. AP6005629

SOURCE CODE: CZ/0079/65/007/002/0128/0129

AUTHOR: Mourek, J.; Pruzkova, V.; Slavicek, J.; Trojanova, M.

ORG: Physiological Institute, Faculty of General Medicine, Charles University, Prague

TITLE: Some aspects of oxidative metabolism of the nervous system in ontogenesis of mammals [This paper was presented at the Third Interdisciplinary Conference on Experimental and Clinical Study of Higher Nervous Functions held in Marianske Lazne from 19 to 23 October 1964.]

SOURCE: Activitas nervosa superior, v. 7, no. 2, 1965, 128-129

TOPIC TAGS: biologic metabolism, experiment animal, nervous system, phosphorylation, hypoxia, anoxia, biochemistry

ABSTRACT: New-born and very young animals are more resistant to all forms of oxygen deficiency than adult animals. The younger the animal, the greater the possible reduction of oxygen consumption. In young rats, a 70-80% decrease is possible. Oxidation releases biologically utilizable energy. The resistance of new-born animals to hypoxia is probably due to a high glycolytic activity of brain tissue during hypoxia or anoxia. Oxidative phosphorylation in the mammal brain depends on glucose, and administration of glucose protects adult rats from oxygen deficiency; in new-born rats this does not occur because there is already enough lactate and acetacetic acid present to provide this protection.

Card 1/2

L 12964-66

ACC NR: AP6005629

This acid decreases oxygen consumption in adult rats. *JPRS* *10*

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 009 / OTH REF: 006
SOV REF: 001

Card 2/2 HW

SIROKY, A.; KREJCOVA, H.; SLAVICEK, J.; HANUSOVA, V.

The irritability threshold of the vestibular apparatus in
children and adults. Sborn. lek. 67 no. 3894-100 Mr'65.

1. Neurologicka klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: akademik K. Henner); Fyziologicky ustav fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: prof. dr. F. Karasek, DrSc.) a Ustav hygieny prace a chorob z povolani v Praze (prednosta: prof. dr. J. Teissinger, DrSc.).

MOUREK, J.; PRUZKOVA, V.; SLAVICEK, J.

Effect of short-term fasting on blood sugar during ontogenesis
in rats. Sborn.lek. (Praha) 66 no.4:97-104 Ap'64

1. Fyziologicky ustav fakulty vseobecneho lekarstvi University
Karlov v Praze; prednosta: prof.dr.F.Karasek, DrSc.

*

MOUREK, J.; SLAVICEK, J.

Effect of short-term fasting on the glycogen content in the
cerebral cortex and liver tissue during ontogenesis in rats.
Sborn. lek. 66 no. 6:178-184 Je'64

1. Fyziologicky ustav fakulty všeobecného lekarství Univer-
sity Karlovy v Praze; prednosta: prof. dr. F. Karásek, DrSc.

MOUREK,J.; PRUZKOVA, V.; SLAVICEK,J.; TROJANOVA, M.

Some problems of oxidative metabolism of the nervous system
in the ontogenesis of mammals. Activ. nerv. sup. (Praha) 7
no.2:128-129 '65

1. Physiological Institute, Faculty of General Medicine, Charles
University, Prague. 2. J.Mourek's address: Praha 2, Albertov 2.